

Abstract

A heat storage apparatus comprises a heat storage material accommodation cell for accommodating therein a heat storage material having an electricity conductive characteristic and configured to be electrically heated, and a fluid passageway for allowing a heat exchanging fluid to flow therethrough, the fluid passageway being adjacent to the heat storage material accommodation cell via a bulkhead. The heat storage material accommodation cell and the fluid passageway are put in a spiral configuration together with the bulkhead in a heat storage main body of the heat storage apparatus. Heat held in the heat storage material is transferred to the heat exchanging fluid so as to be taken out of the heat storage apparatus.